CLAIMS

1. A water-dispersed slurry coating, comprising: (A) particulates comprising (al) a resin having a group containing an active hydrogen; and (B) a reactive surfactant comprising a hydrophilic moiety and a hydrophobic moiety and having at least one group selected from the group consisting of an isocyanate group, a blocked isocyanate group and an epoxy group in the hydrophilic moiety, in aqueous medium.

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- The water-dispersed slurry coating according to claim
 further comprising (a2) a curing agent.
- 3. A water-dispersed slurry coating, comprising: (A)

 15 particulates comprising (al) a resin having a group containing
 an active hydrogen; (BO) a reactive surfactant comprising a
 hydrophilic moiety and a hydrophobic moiety and having at least
 one group selected from the group consisting of an amino group,
 a hydroxyl group and a carboxyl group in the hydrophilic moiety;

 20 and (a2) a curing agent, in aqueous medium.
 - 4. The water-dispersed slurry coating according to any one of claims 1 to 3, wherein the reactive surfactant (B) and (B0) comprise a hydrophobic moiety having an aromatic ring-containing hydrocarbon group having 6 to 100 carbon atoms.

5. The water-dispersed slurry coating according to any one of claims 1 to 4, wherein the reactive surfactant (B) and (B0) have an oxyethylene group in a content of not less than 20% and not more than 97% by weight based on a weight of (B) or (B0) respectively.

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- 6. The water-dispersed slurry coating according to any one of claims 1 to 5, wherein the reactive surfactant (B) and (B0) comprise a hydrophilic moiety having a polyoxyethylene chain of a weight average molecular weight of not less than 1,000 and not more than 4,000, and a weight average molecular weight of the reactive surfactant (B) and (B0) are not less than 1,500 and not more than 30,000.
- one of claims 1, 2, 4 to 6, wherein the reactive surfactant (B) is a urethane resin comprising: (b3) an addition reaction product of (b1) a monohydric phenol or a monohydric aromatic alcohol and (b2) a vinyl monomer according to need, or an alkylene oxide adduct of the addition reaction product; (b4) an organic diisocyanate; (b5) a diol and/or a diamine having a polyoxyalkylene chain; and (b6) a blocking agent or (b7) a polyepoxy compound, as main components, wherein said (b3) and/or said (b5) comprises an oxyethylene group, and an isocyanate group which may be blocked or an epoxy group is added to said (b3) and/or said (b5).

8. The water-dispersed slurry coating according to claim 7, wherein the reactive surfactant (B) comprises one or more of compounds represented by the general formulae (1) or (2);

$$Q-(-CONH-G-NHCO-J-)_{m}-CONH-G-NHCO-Y$$
 (1)

 $Q-(-CONH-G-NHCO-J-)_m-Z$ (2)

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wherein, Q represents a residue of (b3) an addition reaction product of (b1) a monohydric phenol or a monohydric aromatic alcohol and (b2) a vinyl monomer according to need, or an alkylene oxide adduct of the addition reaction product; G represents a residue of (b4) an organic diisocyanate; J represents a residue of (b5) a diol and/or a diamine having a polyoxyalkylene chain; Y represents a residue of (b6) a blocking agent; and Z represents a residue of (b7) a polyepoxy compound; wherein a plurality of G and a plurality of J may be same or different each other, respectively; and m is 1 to 20.

9. The water-dispersed slurry coating according to any one of claims 1, 2, 4 to 6, wherein the reactive surfactant (B)

20 is a compound comprising: (b3') an alkylene oxide adduct of an addition reaction product of (b1) a monohydric phenol or a monohydric aromatic alcohol and (b2) a vinyl monomer according to need; and (b6) a blocking agent or (b7) a polyepoxy compound, as main components, wherein said (b3') comprises an oxyethylene group, and an isocyanate group which may be blocked or an epoxy group is added to said (b3').

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10. The water-dispersed slurry coating according to claim 9, wherein the reactive surfactant (B) comprises one or more of compounds represented by the general formulae (3) or (4);

$$Q'$$
-CONH-G-NHCO-Y (3)
 Q' -Z (4)

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wherein, Q' represents a residue of (b3') an alkylene oxide adduct of an addition reaction product of (b1) a monohydric phenol or a monohydric aromatic alcohol and (b2) a vinyl monomer according to need; G represents a residue of (b4) an organic diisocyanate; Y represents a residue of (b6) a blocking agent; and Z represents a residue of (b7) a polyepoxy compound.

- one of claims 3 to 6, wherein the reactive surfactant (B0) is a compound comprising: (b3'') an alkylene oxide adduct of an addition reaction product of (b1) a monohydric phenol or a monohydric aromatic alcohol and (b2) a vinyl monomer according to need; (b4) an organic diisocyanate; and, (b5') a diol and/or a diamine having a polyoxyalkylene chain, as main components, and having an amino group or a hydroxyl group on one of the terminal ends thereof.
- 25 12. The water-dispersed slurry coating according to claim 11, wherein the reactive surfactant (B0) comprises one

or more of compounds represented by the general formulae (5) or (6);

$$Q-(-CONH-G-NHCO-J-)_m-OH$$
 (5)

$$Q-(-CONH-G-NHCO-J-)_m-NH_2$$
 (6)

- 5 wherein, Q, G and J are same as above; wherein a plurality of G and a plurality of J may be same or different each other, respectively; and m is 1 to 20.
- 13. The water-dispersed slurry coating according to any one of claims 1 to 12, wherein the resin having a group containing an active hydrogen (al) is at least one of selected from the group consisting of an acrylic resin, a polyester resin, a polyurethane resin and an epoxy resin.
- 14. The water-dispersed slurry coating according to any one of claims 1 to 13, wherein a volume average particle diameter of the particulate (A) is not less than 0.5 μm and not more than 50 μm .
- 20 15. The water-dispersed slurry coating according to any one of claims 1 to 14, wherein the particulate (A) is a spherical shape having a major axis/minor axis ratio in the range of 1.0 to 1.5.
- 25 16. The water-dispersed slurry coating according to any one of claims 1 to 15, wherein the particulate (A) is obtained

by dispersing a solvent solution of the resin having a group containing an active hydrogen (al) in water and desolvating the solvent.

17. A film obatined by applying a water-dispersed slurry coating according to any one of claims 1 to 16 and baking the same.